

Storm Data and Unusual Weather Phenomena - March 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NEW MEXICO, Southeast				
EDDY COUNTY				
LOVING	03/23/07 02:04 MST		0	Hail (0.88 in)
	03/23/07 02:08 MST		0	32.28N, 104.1W
Penny to nickel size hail fell in Loving, NM.				
EDDY COUNTY				
(CNM)CARLSBAD ARPT	03/23/07 03:50 MST		0	Hail (0.88 in)
	03/23/07 03:50 MST		0	32.33N, 104.27W
LEA COUNTY				
MC DONALD	03/23/07 04:50 MST		0	Hail (0.88 in)
	03/23/07 05:00 MST		0	33.13N, 103.32W
Deep moisture in advance of a powerful upper level storm system combined with wind shear and instability to produce conditions favorable for severe storm development. These storms developed in the higher terrain of southeastern New Mexico and west Texas. Large hail was the primary threat of these storms, with the largest hail falling in Terrell County, Texas along U.S. Highway 90 about the size of golfballs.				
EDDY COUNTY				
10.0 S HOPE	03/23/07 12:42 MST		0	Hail (1.00 in)
	03/23/07 13:00 MST		0	32.6554N, 104.73W ~ 32.8N, 104.73W
Marble to quarter size hail was reported in Hope.				
EDDY COUNTY				
QUEEN	03/23/07 12:44 MST		0	Hail (1.25 in)
	03/23/07 12:50 MST		0	32.2N, 104.73W
Marble to golfball size hail fell in Queen.				
EDDY COUNTY				
WHITES CITY	03/23/07 12:48 MST		0	Hail (1.00 in)
	03/23/07 12:48 MST		0	32.17N, 104.37W
EDDY COUNTY				
7.0 W CARLSBAD	03/23/07 12:54 MST		0	Hail (1.25 in)
	03/23/07 13:14 MST		0	32.42N, 104.35W ~ 32.4916N, 104.315W
Penny to half-dollar size hail fell west and northwest of Carlsbad.				
EDDY COUNTY				
7.0 W CARLSBAD	03/23/07 13:05 MST		0	Hail (1.25 in)
	03/23/07 13:14 MST		0	32.42N, 104.35W ~ 32.4916N, 104.315W
Quarter to half-dollar size hail fell west and northwest of Carlsbad.				
EDDY COUNTY				
5.0 NNW CARLSBAD	03/23/07 13:23 MST		0	Hail (1.25 in)
	03/23/07 13:23 MST		0	32.4868N, 104.263W
Half dollar size hail reported in the McNew subdivision on U.S. Highway 285 north-northwest of Carlsbad.				
EDDY COUNTY				
LOVING	03/23/07 13:39 MST		0	Hail (0.88 in)
	03/23/07 13:44 MST		0	32.28N, 104.1W ~ 32.35N, 104.17W
Penny to nickel size hail fell in a swath from Loving to Otis.				
EDDY COUNTY				

Storm Data and Unusual Weather Phenomena - March 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WHITES CITY	03/23/07 13:51 MST		0	Hail (1.00 in)
	03/23/07 13:53 MST		0	32.17N, 104.37W

Penny to quarter size hail fell in Whites City.

EDDY COUNTY

1.0 N MALAGA	03/23/07 13:53 MST		0	Hail (1.00 in)
LOVING	03/23/07 13:53 MST		0	32.2345N, 104.07W ~ 32.28N, 104.1W

Penny to quarter size hail fell in a swath along U.S. Highway 285 between Malaga and Loving.

EDDY COUNTY

CARLSBAD	03/23/07 13:54 MST		0	Hail (1.75 in)
16.0 S LAKEWOOD	03/23/07 14:12 MST		0	32.42N, 104.23W ~ 32.3987N, 104.37W

Quarter to golfball size hail fell from Carlsbad to west and southwest of Carlsbad.

EDDY COUNTY

2.0 NNE LAKEWOOD	03/23/07 14:00 MST		0	Hail (1.75 in)
12.0 N CARLSBAD	03/23/07 14:13 MST		0	32.6567N, 104.357W ~ 32.5935N, 104.23W

Quarter to golfball size hail fell in a swath from north-northeast of Lakewood to Brantley Lake State Park.

EDDY COUNTY

2.0 W LOCO HILLS	03/23/07 14:05 MST		0	Hail (0.88 in)
	03/23/07 14:05 MST		0	32.82N, 104.014W

Nickel size hail fell on U.S. Highway 82.

EDDY COUNTY

6.0 S CARLSBAD	03/23/07 14:13 MST		0	Hail (0.75 in)
	03/23/07 14:13 MST		0	32.3333N, 104.23W

EDDY COUNTY

5.0 S ARTESIA	03/23/07 14:20 MST		0	Hail (1.75 in)
	03/23/07 14:20 MST		0	32.7577N, 104.4W

Quarter to golfball size hail fell south of Artesia.

EDDY COUNTY

10.0 S ARTESIA	03/23/07 14:22 MST		0	Hail (1.75 in)
ARTESIA	03/23/07 14:29 MST		0	32.6854N, 104.4W ~ 32.83N, 104.4W

Penny to golfball size hail fell in and around Artesia.

EDDY COUNTY

7.0 W LOCO HILLS	03/23/07 14:29 MST		0	Hail (2.00 in)
	03/23/07 14:29 MST		0	32.82N, 104.1W

Quarter to lime size hail fell west of Loco Hills.

EDDY COUNTY

ARTESIA	03/23/07 14:51 MST		0	Hail (0.75 in)
	03/23/07 14:51 MST		0	32.83N, 104.4W

An upper level storm system moved east across northern Mexico across west Texas and southeastern New Mexico. Ahead of this system, a moist and unstable airmass was in place. As temperatures warmed throughout the day, the atmosphere became more unstable. Storms initiated in the Big Bend and across the mountains of southeastern New Mexico and moved north and eastward. The Midland county warning area saw five recorded tornadoes on the 23rd, four in New Mexico and one in Texas. The four in New Mexico were documented by both trained Skywarn spotters and by a National Weather Service damage survey team. The tornado in Texas was recorded by a television news/weather crew in the area. Baseball size hail was also associated with the Texas storm.

LEA COUNTY

Storm Data and Unusual Weather Phenomena - March 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
12.0 WSW LOVINGTON	03/23/07 15:32 MST		0	Tornado (EF0, L: 3.00 mi , W: 30 yd)
10.0 WSW LOVINGTON	03/23/07 15:38 MST		0	32.8636N, 103.541W ~ 32.8747N, 103.509W

At 4:32 pm MDT, a trained Skywarn spotter, reported a tornado touchdown with a small debris cloud approximately 12 miles WSW of Lovington. At 4:36 pm MDT, trained spotters viewed the same tornado from N.M. Highway 457 looking southward. Damage survey interviews with officials and residents revealed that the brief tornado remained over open pasture lands. An EF0 rating was assigned to this tornado.

Around 12:30 pm MDT on Friday, March 23, thunderstorms began to develop over the Guadalupe Mountains of Eddy County.

Thunderstorms continued to rapidly develop, becoming severe over portions of Eddy County at 1:45 pm MDT. Thunderstorms also were developing over eastern portions of Culberson County during this time and these thunderstorms would eventually affect Lea County later in the afternoon.

At 3:39 pm MDT, a thunderstorm located in western portions of Lea County just northwest of the community of Halfway began to exhibit supercellular characteristics. This prompted the issuance of a Severe Thunderstorm Warning at 3:42 pm MDT for western portions of Lea county. As the supercell thunderstorm moved northeast at 30 mph, the storm continued to intensify. The presence on radar of an intensifying mesocyclone (storm rotation) and a bounded weak echo region, along with key spotter information relayed into our office through amateur radio Net Control Operations prompted an upgrade to a tornado warning. Spotters indicated a developing wall cloud over the area had become "fully formed" with increasing surface wind inflow. A tornado warning was issued for northern portions of Lea County at 4:28 pm MDT.

LEA COUNTY

14.0 N TATUM	03/23/07 15:45 MST		0	Hail (2.75 in)
3.0 SW CROSSROADS	03/23/07 16:45 MST		0	33.4524N, 103.32W ~ 33.4893N, 103.367W

Golfball hail was found on the ground north of Tatum...this hail was observed by NWS damage survey team the following day in piles of pea to quarter size hail. Interviews during the damage survey indicated that hail piled to six inches deep and ranged from quarter to golfball size hail with a few baseball sized hailstones. Time is estimated from depth and size of the hailstones and from archived radar data indicating location and duration of the storm.

An upper level storm system moved east across northern Mexico across west Texas and southeastern New Mexico. Ahead of this system, a moist and unstable airmass was in place. As temperatures warmed throughout the day, the atmosphere became more unstable. Storms initiated in the Big Bend and across the mountains of southeastern New Mexico and moved north and eastward.

The Midland county warning area saw five recorded tornadoes on the 23rd, four in New Mexico and one in Texas. The four in New Mexico were documented by both trained Skywarn spotters and by a National Weather Service damage survey team. The tornado in Texas was recorded by a television news/weather crew in the area. Baseball size hail was also associated with the Texas storm.

LEA COUNTY

7.5 W MC DONALD	03/23/07 16:07 MST		28K	Tornado (EF2, L: 8.36 mi , W: 880 yd)
6.5 W TATUM	03/23/07 16:14 MST		0	33.13N, 103.45W ~ 33.25N, 103.432W

At 4:50 pm MDT, spotters indicated the presence of two wall clouds. Primary indications are that the new wall cloud spawned a second tornado with the supercell thunderstorm 7 1/2 miles west of the community of McDonald, just south of Lea County Road 147. Survey of damage along county road 147 led to an estimation of tornado width of 50 yards at this point.

The tornado continued to intensify as it moved northeast. Significant damage was seen 7 1/2 miles southwest of Tatum over ranchland. At this location, 13 wooden power poles were damaged, three snapped off at ground level and others snapped three to twelve feet above ground. A water trough weighing an estimated 300 pounds was thrown from the tornado for several hundred feet. The tornado was visually estimated to be a half mile in width and described as "clean" in appearance. Damage along this track supports this estimate. It is believed that this tornado lifted just south of N.M. Highway 380, six and a half miles west of Tatum. Spotters also confirmed that the tornado exhibited multiple vortex structure at times during its life cycle.

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Thunderstorms continued to rapidly develop, becoming severe over portions of Eddy County at 1:45 pm MDT. Thunderstorms also were developing over eastern portions of Culberson County during this time and these thunderstorms would eventually affect Lea County later in the afternoon.

At 3:39 pm MDT, a thunderstorm located in western portions of Lea County just northwest of the community of Halfway began to exhibit supercellular characteristics. This prompted the issuance of a Severe Thunderstorm Warning at 3:42 pm MDT for western portions of Lea county. As the supercell thunderstorm moved northeast at 30 mph, the storm continued to intensify. The presence on radar of an intensifying mesocyclone (storm rotation) and a bounded weak echo region, along with key spotter information relayed into our office through amateur radio Net Control Operations prompted an upgrade to a tornado warning. Spotters indicated a developing wall cloud over the area had become "fully formed" with increasing surface wind inflow. A tornado warning was issued for northern portions of Lea County at 4:28 pm MDT.

EDDY COUNTY

5.0 S CARLSBAD	03/23/07 16:20 MST		0	Hail (1.75 in)
10.0 E CARLSBAD	03/23/07 16:45 MST		0	32.3477N, 104.23W ~ 32.42N, 104.059W

Penny to golfball size hail fell in and around Carlsbad.

An upper level storm system moved east across northern Mexico across west Texas and southeastern New Mexico. Ahead of this

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system, a moist and unstable airmass was in place. As temperatures warmed throughout the day, the atmosphere became more unstable. Storms initiated in the Big Bend and across the mountains of southeastern New Mexico and moved north and eastward. The Midland county warning area saw five recorded tornadoes on the 23rd, four in New Mexico and one in Texas. The four in New Mexico were documented by both trained Skywarn spotters and by a National Weather Service damage survey team. The tornado in Texas was recorded by a television news/weather crew in the area. Baseball size hail was also associated with the Texas storm.				
LEA COUNTY				
8.5 S CROSSROADS	03/23/07 16:36 MST	0		Tornado (EF0, L: 1.00 mi , W: 100 yd)
7.5 S CROSSROADS	03/23/07 16:38 MST	0		33.3971N, 103.33W ~ 33.4116N, 103.33W
At 5:34 pm MDT, radar indicated redevelopment of a stronger mesocyclone just west of N.M. Highway 206, five miles south of Crossroads. At 5:36 pm MDT, spotters had visual indications of a rope tornado six miles south of Crossroads. This remained over range land just west of N.M. Highway 206. An EF0 rating was assigned to this tornado.				
Around 12:30 pm MDT on Friday, March 23, thunderstorms began to develop over the Guadalupe Mountains of Eddy County. Thunderstorms continued to rapidly develop, becoming severe over portions of Eddy County at 1:45 pm MDT. Thunderstorms also were developing over eastern portions of Culberson County during this time and these thunderstorms would eventually affect Lea County later in the afternoon.				
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LEA COUNTY				
14.0 N TATUM	03/23/07 16:43 MST	0		Hail (1.75 in)
	03/23/07 16:43 MST	0		33.4524N, 103.32W
Golfball size hail fell three mile north of the intersection of N.M. Highway 206 and Lea County Road 165.				
An upper level storm system moved east across northern Mexico across west Texas and southeastern New Mexico. Ahead of this system, a moist and unstable airmass was in place. As temperatures warmed throughout the day, the atmosphere became more unstable. Storms initiated in the Big Bend and across the mountains of southeastern New Mexico and moved north and eastward. The Midland county warning area saw five recorded tornadoes on the 23rd, four in New Mexico and one in Texas. The four in New Mexico were documented by both trained Skywarn spotters and by a National Weather Service damage survey team. The tornado in Texas was recorded by a television news/weather crew in the area. Baseball size hail was also associated with the Texas storm.				
LEA COUNTY				
3.0 SW CROSSROADS	03/23/07 16:45 MST	2K		Tornado (EF0, L: 1.00 mi , W: 75 yd)
	03/23/07 16:47 MST	0		33.4893N, 103.367W
A fourth tornado was witnessed three miles southwest of Crossroads where it destroyed a 10' x 10' oil field pump house. This tornado remained over open country for the most part and was assigned an F0 rating.				
Around 12:30 pm MDT on Friday, March 23, thunderstorms began to develop over the Guadalupe Mountains of Eddy County. Thunderstorms continued to rapidly develop, becoming severe over portions of Eddy County at 1:45 pm MDT. Thunderstorms also were developing over eastern portions of Culberson County during this time and these thunderstorms would eventually affect Lea County later in the afternoon.				
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EDDY COUNTY				
CARLSBAD	03/23/07 17:20 MST	0		Flash Flood (due to Heavy Rain)
MALAGA	03/23/07 21:45 MST	0		32.42N, 104.23W ~ 32.22N, 104.07W
Numerous people in Carlsbad reported flash flooding. Some of the reports include four to six inches of water flowing across low lying roads at the beginning of the evening to three to four feet of water in major intersections in Carlsbad by the end of the night. Black River Road, Ogden Road, and Higby Hole Road in the Loving/Malaga area were barricaded due to flood waters. Illinois Camp Road in Carlsbad was declared impassable.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
EDDY COUNTY				
CARLSBAD	03/23/07 17:32 MST		0	Hail (1.75 in)
1.0 E (CNM)CARLSBAD ARPT	03/23/07 17:50 MST		0	32.42N, 104.23W ~ 32.33N, 104.253W
Quarter to golfball size hail was reported in and around Carlsbad and the Carlsbad Airport.				
EDDY COUNTY				
LAKEWOOD	03/23/07 18:16 MST		0	Hail (0.75 in)
	03/23/07 18:16 MST		0	32.63N, 104.37W
EDDY COUNTY				
LAKEWOOD	03/23/07 18:16 MST		0	Hail (0.75 in)
	03/23/07 18:18 MST		0	32.63N, 104.37W
EDDY COUNTY				
CARLSBAD	03/23/07 18:19 MST		0	Hail (1.75 in)
8.0 S CARLSBAD	03/23/07 18:50 MST		0	32.42N, 104.23W ~ 32.3043N, 104.23W
Penny to golfball size hail fell in and around Carlsbad.				
EDDY COUNTY				
10.0 ESE LAKEWOOD	03/23/07 19:00 MST		0	Tornado (EF0, L: 0.10 mi , W: 20 yd)
	03/23/07 19:00 MST		0	32.5747N, 104.212W
A brief rope tornado was reported over open rangeland east-southeast of Lakewood.				
LEA COUNTY				
5.0 NW TATUM	03/23/07 19:15 MST		0	Hail (0.75 in)
	03/23/07 19:15 MST		0	33.3011N, 103.381W
A spotter reported 80 mph winds and penny size hail. No damage reported.				
LEA COUNTY				
5.0 NW TATUM	03/23/07 19:15 MST		0	Thunderstorm Wind (EG 70 kt)
	03/23/07 19:15 MST		0	33.3011N, 103.381W
A spotter reported 80 mph winds and penny size hail. No damage reported.				
EDDY COUNTY				
2.0 E CARLSBAD	03/23/07 19:45 MST		0	Hail (0.75 in)
	03/23/07 19:45 MST		0	32.42N, 104.196W
LEA COUNTY				
TATUM	03/23/07 20:24 MST		0	Thunderstorm Wind (MG 71 kt)
	03/23/07 20:27 MST		0	33.25N, 103.32W
A NWS cooperative observer reported gusts between 70 and 82 mph on an anemometer. No damage was reported.				
LEA COUNTY				
LOVINGTON	03/23/07 21:30 MST		0	Flash Flood (due to Heavy Rain)
7.0 W TATUM	03/24/07 06:00 MST		0	32.93N, 103.35W ~ 33.25N, 103.441W
Multiple thunderstorms trained across Lea County for much of the night and produced flash flooding that was evident to NWS Damage Survey team members the following day. Several miles west of Tatum, team members discovered a three to four foot deep lake that is normally open field. In and around Lovington, there were locations that had running water alongside the road 18 hours after the last storm had moved through.				
LEA COUNTY				
TATUM	03/23/07 21:33 MST		0	Hail (0.88 in)
	03/23/07 21:33 MST		0	33.25N, 103.32W
LEA COUNTY				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
7.0 NW HOBBS	03/23/07 21:55 MST		0	Hail (1.00 in)
	03/23/07 21:55 MST		0	32.7716N, 103.215W

Quarter size hail fell between Lovington and Hobbs on N.M. Highway 18.

EDDY COUNTY

CARLSBAD	03/23/07 22:25 MST		0	Flash Flood (due to Heavy Rain)
MALAGA	03/24/07 01:41 MST		0	32.42N, 104.23W ~ 32.22N, 104.07W

Flash flooding continued over portions of Eddy County well into the night with several roads barricaded in both the Carlsbad and Loving and Malaga areas. Six to eight inches of water flowed across Old Cavern Highway as well.

An upper level storm system moved east across northern Mexico across west Texas and southeastern New Mexico. Ahead of this system, a moist and unstable airmass was in place. As temperatures warmed throughout the day, the atmosphere became more unstable. Storms initiated in the Big Bend and across the mountains of southeastern New Mexico and moved north and eastward. The Midland county warning area saw five recorded tornadoes on the 23rd, four in New Mexico and one in Texas. The four in New Mexico were documented by both trained Skywarn spotters and by a National Weather Service damage survey team. The tornado in Texas was recorded by a television news/weather crew in the area. Baseball size hail was also associated with the Texas storm.

LEA COUNTY

3.0 NE LOVINGTON	03/28/07 18:27 MST		0	Hail (1.25 in)
LOVINGTON	03/28/07 18:29 MST		0	32.9607N, 103.314W ~ 32.93N, 103.35W

Pea to half-dollar size hail fell in a swath from Lovington to just northeast of Lovington.

LEA COUNTY

3.0 NE LOVINGTON	03/28/07 18:30 MST		0	Hail (1.50 in)
	03/28/07 18:41 MST		0	32.9607N, 103.314W

LEA COUNTY

CROSSROADS	03/28/07 18:56 MST		0	Hail (1.75 in)
KNOWLES	03/28/07 19:11 MST		0	33.52N, 103.33W ~ 32.83N, 103.08W

Penny to golfball size hail fell in a swath from Crossroads to Knowles.

LEA COUNTY

KNOWLES	03/28/07 19:30 MST		0	Hail (1.75 in)
4.0 E KNOWLES	03/28/07 19:30 MST		0	32.83N, 103.08W ~ 32.83N, 103.011W

Golfball size hail fell between Knowles and the Lea, New Mexico and Gaines, Texas county line.

LEA COUNTY

1.0 N HOBBS	03/28/07 20:32 MST		0	Hail (0.88 in)
9.0 SW EUNICE	03/28/07 20:43 MST		0	32.7145N, 103.13W ~ 32.338N, 103.259W

Pea to nickel size hail fell in and around Hobbs and Eunice.

LEA COUNTY

6.0 E HOBBS	03/28/07 21:01 MST		0	Hail (0.75 in)
	03/28/07 21:01 MST		0	32.7N, 103.027W

A weak shortwave progressing through upper level southerly flow combined with instability along an eastward mixing dryline to produce severe thunderstorms across west Texas and southeastern New Mexico. A strong low level jet and an approaching cold front increased both instability and lift.

Though a tornado watch was issued for much of the Permian Basin and the upper Trans-Pecos, large hail ended up being the primary threat. No tornadoes were reported with these storms.

LEA COUNTY

HOBBS	03/30/07 08:52 MST		0	Hail (0.88 in)
	03/30/07 08:52 MST		0	32.7N, 103.13W

Penny to nickel size hail fell in Hobbs.

Strong deep layer lift associated with a shortwave rotating through the base of an upper level trough over northern Mexico combined with warm air and moisture advection across southwest Texas to produce severe thunderstorms.

Storm Data and Unusual Weather Phenomena - March 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TEXAS, West				
DAVIS / APACHE MOUNTAINS AREA (TX-Z074)				
	03/01/07 00:00 CST	0		High Wind (MAX 55 kt)
	03/01/07 10:10 CST	0		
A strong upper level storm system passed to the north of west Texas and southeastern New Mexico allowing for height and pressure gradients to tighten across the region. This produced strong winds across portions of west Texas and southeastern New Mexico.				
GLASSCOCK COUNTY				
1.0 N GARDEN CITY	03/11/07 15:10 CST	0		Flash Flood (due to Heavy Rain)
LEES	03/11/07 17:00 CST	0		31.8845N, 101.5W ~ 32.08N, 101.48W
The Glasscock County Sheriff's Office closed Farm to Market Road 33 north of Garden City to the Glasscock/Howard County border because flash flooding made the road impassable.				
GLASSCOCK COUNTY				
ST LAWRENCE	03/11/07 15:10 CST	0		Hail (1.00 in)
	03/11/07 15:10 CST	0		31.67N, 101.5W
PECOS COUNTY				
8.0 E BAKERSFIELD	03/11/07 16:15 CST	0		Thunderstorm Wind (EG 52 kt)
	03/11/07 16:15 CST	0		30.88N, 102.145W
No damage was reported.				
First tornado watch/severe weather event for the season. An upper level storm system approaching west Texas and southeastern New Mexico set off severe thunderstorms across the area on March 11. Copious amounts of mid and low level moisture contributed to high rainfall totals and instances of flash flooding.				
WARD COUNTY				
8.0 NW GRANDFALLS	03/21/07 17:33 CST	0		Hail (0.88 in)
GRANDFALLS	03/21/07 17:50 CST	0		31.4118N, 102.966W ~ 31.33N, 102.87W
The Ward County Sheriff's Office reported penny to nickel size hail falling at the intersection of Farm to Market Roads 1219 and 1776. This hail fell in a swath from this intersection southeast to Grandfalls.				
PECOS COUNTY				
1.0 S FT STOCKTON	03/21/07 23:45 CST	0		Hail (0.88 in)
	03/21/07 23:45 CST	0		30.8655N, 102.87W
A NWS rainfall observer reported pea to nickel size hail falling one mile south of Fort Stockton between U.S. Highways 285 and 385.				
A dryline set up in west Texas and southeastern New Mexico. Thunderstorms formed along this dryline and became severe as the afternoon wore on. Main threat was large hail, the largest reported being nickel size.				
BREWSTER COUNTY				
13.0 NNE TERLINGUA	03/22/07 17:49 CST	0		Hail (0.75 in)
16.0 NE TERLINGUA	03/22/07 18:15 CST	0		29.5036N, 103.517W ~ 29.4936N, 103.412W
Several people between Texas Highway 118 and Terlingua Ranch Lodge reported penny size hail.				
BREWSTER COUNTY				
23.0 N PANTHER JUNCTION	03/22/07 18:40 CST	0		Hail (1.00 in)
	03/22/07 18:47 CST	0		29.6325N, 103.3W
Big Bend National Park staff at Persimmon Gap reported penny to quarter size hail.				
TERRELL COUNTY				
5.0 E SANDERSON	03/22/07 20:00 CST	0		Hail (1.75 in)
	03/22/07 20:00 CST	0		30.15N, 102.316W

Storm Data and Unusual Weather Phenomena - March 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
The Terrell County Sheriff's Office reported golfball size hail falling east of Sanderson along U.S. Highway 90.				
TERRELL COUNTY				
6.0 E SANDERSON	03/22/07 21:15 CST	0		Hail (1.75 in)
	03/22/07 21:15 CST	0		30.15N, 102.3W
The Terrell County Sheriff's Office reported golfball size hail falling along a 1/2 mile strip of U.S. highway 90 east of Sanderson.				
Deep moisture in advance of a powerful upper level storm system combined with wind shear and instability to produce conditions favorable for severe storm development. These storms developed in the higher terrain of west Texas and moved over the Trans-Pecos and Big Bend regions through the afternoon and evening. Large hail was the primary threat of these storms, with the largest hail falling in Terrell County along U.S. Highway 90 about the size of golfballs.				
BREWSTER COUNTY				
MARATHON	03/23/07 16:38 CST	0		Hail (0.88 in)
	03/23/07 16:42 CST	0		30.2N, 103.25W
Penny to nickel size hail fell in Marathon.				
JEFF DAVIS COUNTY				
17.0 NW FT DAVIS	03/23/07 16:46 CST	0		Thunderstorm Wind (MG 52 kt)
	03/23/07 16:46 CST	0		30.7538N, 104.082W
No damage was reported.				
REEVES COUNTY				
TOYAH	03/23/07 17:34 CST	0		Hail (0.75 in)
	03/23/07 17:34 CST	0		31.32N, 103.78W
REEVES COUNTY				
TOYAH	03/23/07 18:15 CST	0		Hail (0.88 in)
	03/23/07 18:15 CST	0		31.32N, 103.78W
Nickel hail covered the ground in Toyah.				
PECOS COUNTY				
20.0 SE FT STOCKTON	03/23/07 18:30 CST	0		Tornado (EF0, L: 2.00 mi , W: 75 yd)
	03/23/07 18:35 CST	0		30.6755N, 102.632W
A local television forecaster filmed a tornado in open country southwest of Fort Stockton associated with a supercell thunderstorm. This thunderstorm produced up to baseball size hail and one other reported tornado during its lifetime. This storm and its effects were also responsible for the closing of Interstate 10 near Bakersfield.				
LOVING COUNTY				
9.5 NW MENTONE	03/23/07 18:50 CST	0		Hail (1.75 in)
	03/23/07 19:00 CST	0		31.7971N, 103.714W
Marble to golfball size hail fell northwest of Mentone.				
PECOS COUNTY				
3.0 S BAKERSFIELD	03/23/07 19:03 CST	0		Hail (2.75 in)
	03/23/07 19:13 CST	0		30.8366N, 102.28W ~ 30.88N, 102.28W
Golfball to baseball size hail was reported in and around Bakersfield.				
UPTON COUNTY				
MC CAMEY	03/23/07 19:46 CST	0		Hail (1.00 in)
	03/23/07 19:47 CST	0		31.13N, 102.23W ~ 31.13N, 102.247W
Penny to quarter size hail was reported in and around McCamey, including at the intersection of U.S. Highway 67 and Texas Highway 349.				
UPTON COUNTY				
7.0 N RANKIN	03/23/07 20:16 CST	0		Tornado (EF0, L: 2.00 mi , W: 50 yd)
	03/23/07 20:21 CST	0		31.3212N, 101.9W ~ 31.3018N, 101.804W

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Local television meteorologists from all three networks in addition to several spotters reported a tornado on the ground north of Rankin. This tornado remained in open country and no damage was reported to the NWS.				
UPTON COUNTY				
14.0 N RANKIN	03/23/07 20:21 CST		0	Hail (1.75 in)
	03/23/07 20:21 CST		0	31.4224N, 101.9W
JEFF DAVIS COUNTY				
FT DAVIS	03/23/07 21:49 CST		0	Hail (0.75 in)
	03/23/07 21:49 CST		0	30.58N, 103.88W
ANDREWS COUNTY				
5.0 W ANDREWS	03/23/07 22:06 CST		0	Hail (1.00 in)
	03/23/07 22:06 CST		0	32.32N, 102.635W
PECOS COUNTY				
25.0 WNW FT STOCKTON	03/23/07 22:30 CST		0	Hail (1.00 in)
	03/23/07 22:30 CST		0	31.0183N, 103.259W
A spotter reported quarter size hail falling and stripping trees of their leaves in the western portions of Pecos County.				
WINKLER COUNTY				
WINK	03/23/07 23:15 CST		0	Hail (1.00 in)
	03/23/07 23:30 CST		0	31.75N, 103.15W
WARD COUNTY				
GRANDFALLS	03/23/07 23:40 CST		0	Hail (0.88 in)
	03/23/07 23:40 CST		0	31.33N, 102.87W
WARD COUNTY				
GRANDFALLS	03/23/07 23:50 CST		0	Hail (1.00 in)
	03/23/07 23:50 CST		0	31.33N, 102.87W
PECOS COUNTY				
IMPERIAL	03/23/07 23:55 CST		0	Hail (0.88 in)
	03/24/07 01:05 CST		0	31.27N, 102.68W
ECTOR COUNTY				
ODESSA	03/24/07 00:54 CST		0	Hail (1.00 in)
	03/24/07 00:54 CST		0	31.85N, 102.37W
Pea to quarter size hail fell at the intersection of 3rd and Knox in Odessa.				
MIDLAND COUNTY				
(MAF) MIDLAND INTL	03/24/07 00:59 CST		0	Thunderstorm Wind (MG 50 kt)
	03/24/07 00:59 CST		0	31.93N, 102.2W
The Automated Surface Observing System at Midland International Airport (KMAF) reported a 58 mph wind gust associated with a thunderstorm.				
UPTON COUNTY				
2.0 W MC CAMEY	03/24/07 01:38 CST		0	Hail (1.00 in)
	03/24/07 01:45 CST		0	31.13N, 102.264W ~ 31.13N, 102.23W
Penny to quarter size hail fell in and around McCamey.				

An upper level storm system moved east across northern Mexico across west Texas and southeastern New Mexico. Ahead of this system, a moist and unstable airmass was in place. As temperatures warmed throughout the day, the atmosphere became more unstable. Storms initiated in the Big Bend and across the mountains of southeastern New Mexico and moved north and eastward. The Midland county warning area saw five recorded tornadoes on the 23rd, four in New Mexico and one in Texas. The four in New Mexico were documented by both trained Skywarn spotters and by a National Weather Service damage survey team. The tornado in Texas was recorded by a television news/weather crew in the area. Baseball size hail was also associated with the Texas storm.

Storm Data and Unusual Weather Phenomena - March 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
REEVES COUNTY				
5.0 SW PECOS	03/25/07 15:40 CST		0	Hail (1.75 in)
	03/25/07 15:40 CST		0	31.3689N, 103.54W
REEVES COUNTY				
2.3 NE TOYAH PECOS	03/25/07 15:45 CST		10K	Flash Flood (due to Heavy Rain)
	03/25/07 22:00 CST		0	31.343N, 103.753W ~ 31.42N, 103.48W
The rest area on Interstate 20 at mile marker 25 was flooding and traffic problems were occurring due to flooding along Interstate 20. Street flooding was also experienced in Pecos. Pecos police shut down the intersection of 14th and Cedar Streets, after a motorist was stranded due to high water. A motorist was stranded on Farm to Market Road 1216, six miles south of Interstate 20. Farm to market Road 1934 was also flooded.				
REEVES COUNTY				
1.4 WSW PECOS PECOS	03/25/07 16:03 CST		0	Hail (0.88 in)
	03/25/07 16:12 CST		0	31.4124N, 103.501W ~ 31.42N, 103.48W
Penny to nickel size hail fell in Pecos along both Interstate 20 and U.S. Highway 285.				
WARD COUNTY				
BARSTOW	03/25/07 16:20 CST		0	Hail (0.88 in)
	03/25/07 16:20 CST		0	31.45N, 103.4W
WARD COUNTY				
0.9 NE BARSTOW MONAHANS	03/25/07 16:40 CST		0	Flash Flood (due to Heavy Rain)
	03/25/07 23:00 CST		0	31.4593N, 103.389W ~ 31.58N, 102.9W
One and a half feet of water flowing over Interstate 20 service roads and bar ditches near Barstow. Six to eight inches of water flowed across roads in Monahans.				
PRESIDIO COUNTY				
0.9 NE PRESIDIO	03/25/07 17:09 CST		0	Hail (0.88 in)
	03/25/07 17:09 CST		0	29.5594N, 104.359W
ANDREWS COUNTY				
ANDREWS 16.0 E ANDREWS	03/25/07 17:34 CST		0	Flash Flood (due to Heavy Rain)
	03/26/07 01:00 CST		0	32.32N, 102.55W ~ 32.32N, 102.276W
Six to twelve inches of water was reported on Texas Highway 176 in Andrews, U.S. Highway 385 in Andrews and on Texas Highway 176, 16 miles east of Andrews. By 12:42am CDT March 26, five to six feet of standing water was reported on roads in Andrews. Several roads in Andrews were closed.				
WINKLER COUNTY				
0.7 N WINK	03/25/07 17:35 CST		0	Flash Flood (due to Heavy Rain)
	03/25/07 20:00 CST		0	31.76N, 103.15W
Local television meteorologists reported one and a half to two feet of water running over streets in the city of Wink, including Texas Highway 115.				
MARTIN COUNTY				
10.0 W TARZAN	03/25/07 20:59 CST		0	Flash Flood (due to Heavy Rain)
	03/26/07 00:00 CST		0	32.3N, 102.141W
Six inches of water was flowing across Texas Highway 176, one and a half miles east of that highway's intersection with Texas Route 349.				
ECTOR COUNTY				
ODESSA	03/25/07 23:21 CST		20K	Flash Flood (due to Heavy Rain)
	03/26/07 02:00 CST		0	31.85N, 102.37W
Several motorists were stranded in high water in Odessa.				
MITCHELL COUNTY				
COLORADO CITY	03/26/07 02:35 CST		0	Flash Flood (due to Heavy Rain)
	03/26/07 05:00 CST		0	32.4N, 100.85W
Several roads in Colorado City are flooded and impassable.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A strong upper low pushing into western Mexico, along with above normal precipitable water values and good upper level divergence combined for a heavy rain/flash flooding event across west Texas and southeastern New Mexico.				
GAINES COUNTY				
HIGGINBOTHAM	03/28/07 20:15 CST		0	Hail (1.00 in)
	03/28/07 20:15 CST		0	32.9N, 102.98W
ANDREWS COUNTY				
8.0 NW ANDREWS	03/28/07 21:52 CST		0	Hail (0.75 in)
	03/28/07 21:52 CST		0	32.4018N, 102.647W
Some leaves were stripped from trees northwest of Andrews as a result of penny size hail.				
GAINES COUNTY				
12.0 SSW HIGGINBOTHAM	03/28/07 22:01 CST		0	Hail (0.75 in)
	03/28/07 22:01 CST		0	32.7397N, 103.059W
Penny size hail fell on the Gaines, Texas/Lea, New Mexico county line just east of Hobbs.				
CRANE COUNTY				
19.0 NW CRANE	03/28/07 22:21 CST		0	Hail (0.75 in)
	03/28/07 22:21 CST		0	31.5942N, 102.578W
Penny size hail was reported on Farm to Market Road 1601 northwest of Crane.				
ECTOR COUNTY				
WEST ODESSA	03/28/07 22:36 CST		0	Hail (1.00 in)
	03/28/07 22:47 CST		0	31.83N, 102.5W ~ 32N, 102.42W
Penny to quarter size hail fell in a swath from West Odessa to Gardendale.				
ECTOR COUNTY				
PLEASANT FARMS	03/28/07 22:48 CST		0	Hail (2.00 in)
	03/28/07 23:01 CST		0	31.68N, 102.32W
Golfball to lime size hail fell in Pleasant Farms.				
DAWSON COUNTY				
FRIENDSHIP	03/28/07 23:05 CST		0	Hail (0.75 in)
	03/28/07 23:15 CST		0	32.63N, 102.03W
MIDLAND COUNTY				
4.0 NW (MAF) MIDLAND INTL	03/28/07 23:12 CST		0	Hail (0.88 in)
5.0 SW (MAF) MIDLAND INTL	03/28/07 23:14 CST		0	31.9709N, 102.248W ~ 31.8789N, 102.26W
Local broadcast media and amateur radio operators reported penny to nickel size hail falling west of Midland International Airport.				
CRANE COUNTY				
15.0 N CRANE	03/28/07 23:30 CST		0	Hail (1.75 in)
	03/28/07 23:30 CST		0	31.6169N, 102.35W
Marble to golfball size hail fell along U.S. Highway 385 north of Crane.				
DAWSON COUNTY				
LAMESA	03/28/07 23:30 CST		0	Hail (1.00 in)
	03/29/07 00:00 CST		0	32.73N, 101.95W
Hail up to quarter size fell continuously in Lamesa for half an hour.				
MIDLAND COUNTY				
6.0 W GREENWOOD	03/28/07 23:51 CST		0	Hail (1.00 in)
MIDLAND	03/28/07 23:56 CST		0	32N, 102.022W ~ 32N, 102.08W

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Penny to quarter size hail fell between Midland and Greenwood.				
UPTON COUNTY				
MC CAMEY	03/29/07 00:02 CST		0	Hail (1.00 in)
	03/29/07 00:02 CST		0	31.13N, 102.23W
Penny to quarter size hail fell in McCamey.				
UPTON COUNTY				
MC CAMEY	03/29/07 00:02 CST		0	Thunderstorm Wind (EG 52 kt)
	03/29/07 00:02 CST		0	31.13N, 102.23W
The Upton County Sheriff's Office reported 60 mph winds in McCamey. No damage was reported.				
UPTON COUNTY				
1.0 NE MC CAMEY	03/29/07 00:08 CST		0	Hail (0.75 in)
	03/29/07 00:08 CST		0	31.1402N, 102.218W
DAWSON COUNTY				
LAMESA	03/29/07 00:25 CST		0	Flash Flood (due to Heavy Rain)
	03/29/07 03:00 CST		0	32.73N, 101.95W
A local television meteorologist reported six inches of water running over U.S. Highway 87 near the Walmart in Lamesa. City employees reported flooding at the park on the south side of Lamesa. They were in the process of putting up high water barricades on Bryant Street.				
UPTON COUNTY				
RANKIN	03/29/07 00:30 CST		0	Hail (0.88 in)
	03/29/07 00:30 CST		0	31.22N, 101.9W
GLASSCOCK COUNTY				
7.0 N GARDEN CITY	03/29/07 00:45 CST		2K	Thunderstorm Wind (EG 60 kt)
	03/29/07 00:45 CST		0	31.9712N, 101.5W
A trailer house at a drilling rig location north of Garden City on Farm to Market Road 33 was blown over.				
UPTON COUNTY				
1.0 N RANKIN	03/29/07 00:45 CST		0	Hail (0.88 in)
2.0 N RANKIN	03/29/07 00:45 CST		0	31.2345N, 101.9W ~ 31.2489N, 101.9W
GLASSCOCK COUNTY				
8.0 N GARDEN CITY	03/29/07 00:50 CST		0	Thunderstorm Wind (EG 50 kt)
	03/29/07 00:50 CST		0	31.9857N, 101.5W
A spotter north of Garden City reported that a storage shed was knocked down and a golf cart was tipped over by thunderstorm winds.				
A weak shortwave progressing through upper level southerly flow combined with instability along an eastward mixing dryline to produce severe thunderstorms across west Texas and southeastern New Mexico. A strong low level jet and an approaching cold front increased both instability and lift.				
Though a tornado watch was issued for much of the Permian Basin and the upper Trans-Pecos, large hail ended up being the primary threat. No tornadoes were reported with these storms.				
MIDLAND COUNTY				
MIDLAND	03/30/07 03:50 CST		0	Hail (0.88 in)
	03/30/07 03:55 CST		0	32N, 102.08W
Pea to penny size hail with a few nickel sized stones fell on the north side of Midland.				
ANDREWS COUNTY				
ANDREWS	03/30/07 04:45 CST		0	Hail (0.75 in)
	03/30/07 04:45 CST		0	32.32N, 102.55W
MIDLAND COUNTY				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MIDLAND	03/30/07 05:05 CST		1K	Hail (1.75 in)
	03/30/07 05:30 CST		0	32N, 102.08W
Penny to golfball size hail was reported between Holiday Hill Road and Midland Drive and in the Green Tree neighborhood. At least one skylight was shattered by the larger hail.				
DAWSON COUNTY				
4.0 S SAND	03/30/07 05:30 CST		0	Hail (0.75 in)
	03/30/07 05:30 CST		0	32.6422N, 102.17W
MARTIN COUNTY				
3.6 W TARZAN	03/30/07 06:00 CST		0	Hail (0.75 in)
	03/30/07 06:00 CST		0	32.3N, 102.031W
BORDEN COUNTY				
2.0 ESE GAIL	03/30/07 06:40 CST		1.50K	Thunderstorm Wind (MG 75 kt)
	03/30/07 06:40 CST		0	32.7589N, 101.398W
The West Texas Mesonet station two miles east-southeast of Gail measured an 86 mph wind gust before communications were lost. After the storm, a West Texas Mesonet representative went to the station and reported that the radio antenna had been bent and one of the guy wires was damaged. The fence surrounding the instrumentation was damaged by wind blown mesquite.				
DAWSON COUNTY				
LAMESA	03/30/07 06:50 CST		0	Hail (0.75 in)
	03/30/07 06:50 CST		0	32.73N, 101.95W
WINKLER COUNTY				
KERMIT	03/30/07 07:00 CST		0	Hail (0.75 in)
	03/30/07 07:00 CST		0	31.85N, 103.08W
ECTOR COUNTY				
ODESSA	03/30/07 07:40 CST		3K	Hail (1.75 in)
WEST ODESSA	03/30/07 07:42 CST		0	31.85N, 102.37W ~ 31.83N, 102.5W
Penny to quarter size hail with an occasional golf ball size hailstone thrown in fell in a swath from Odessa to West Odessa. The larger hailstones led to several broken windows at Loop 338 and Yukon in West Odessa.				
MITCHELL COUNTY				
LORAINE	03/30/07 11:00 CST		0	Flash Flood (due to Heavy Rain)
	03/30/07 13:00 CST		0	32.42N, 100.72W
The radio station in Colorado City reported that streets in Loraine were flooded.				
PECOS COUNTY				
IRAAN	03/30/07 13:40 CST		0	Hail (1.75 in)
SHEFFIELD	03/30/07 13:40 CST		0	30.92N, 101.88W ~ 30.67N, 101.83W
Pea to golfball size hail fell in a swath along Texas Highway 349 between Iraan and Sheffield.				
Strong deep layer lift associated with a shortwave rotating through the base of an upper level trough over northern Mexico combined with warm air and moisture advection across southwest Texas to produce severe thunderstorms.				